



Fig. 1

1 GTCGACTTAT TGCATTGATG GCGTACATGG TAGTGCCATC CTTGGTTTGC TAACAAGCGT TGTATAAAAG
71 CTTGGTGGGT TTCATCAAGT TGAACACAAT ACTCATGATT TTCCCACTT CCGGAAAGGG AAAAGTGAAA
141 ATAGCTTTTG AGATCAGCCT GTTCTAGCAG CTTTCAATG ATCTTTTTCG TCGTTACGTT TTGAAAAATC
211 TGACGACTGC GTTTGATTTG CAACAAGCTA AGTGGATCCA ATATCTCTAT TTGATAATAA AACTGCTGCT
281 TGTCTTTGCT ATATCTCTTG AATTGCAGAG TGCTACATAT ACGTGAAAAA AAAGGCTTTC CAGAACTAA
351 TTGTAAGAC ACACAAACAG CTTTACCTAG GTTTTGTGTA TCGATCTCCA TGTTCGCGC GATGGAAAGG
421 GAAACTGAC ACCCGCGGGA TAGGCTTTC TCTCGATTA ATTGCGTGAC AATATAACTT TTGCTATCTG
491 AAAGCTTAAT GGTGAGGAGG CGGGTTTGGT GCTTAAATC GTTACTGCTC ATATTCAATT AATTCACTAT
561 TAAATAAACA GTTCTAAAAA GCTGTTTATT GGATGAATAT TCGAAATTAT CACATAATAA TTGATGCTAT
631 TATTACTTGC TGTATTGTTA TCAACTTCA TGCTCTATAC ATGTAATATA TTGAGGTTA GACCTTAATT
701 CAAGGTAATT TGTCTATTTA ATTATTATCT GAATAATATG TAATCGATTG CTTGTGGTT ATTTTATGT
771 TTGTTTCATT TTAATGAGG GTGAGCTTGT GCATTCATAT TTTTATGAT GACACATCT TTGATGAAGT
841 ATTAAAGATA TTGTAATGC ATGAGGGGTT TCGGTGATTT TTTTATATTA AATCATAATA AAATCAACAA
911 TATATGTTAT TTGTGTCTT TTTATAGTGT TCTTTTAAAG AGGTAGGATG ACCTAAAGGT CGCTAAATA
981 TGGGTAATAT TGCCATTGCT ATAATTCACC TCAAGATAC ACTATTGCA AATTGACAAA TATGTCATT
1051 CGTATGAAAC AATATTAGTA GATGTTGTTT TTGTCGAAA AATAAAAAAT TTCTGTGTTG AAATAACTCA
1121 AGGCTCTAG CTTTTCCTT TATCTTAAAA TACAGGAAT AGCGATTGAA GTTAATTGAC ACTTAAGGAA
1191 ATAGTCAACC TAACAGAGCA GGAACTTATG CTTTGTCAA AGCATCAAT TGAGCAACTT TCTAAACCTC
1261 TGAGTGATGA TTGATCTGT GCGGTTTATC TTAAGTGA AAAAGTGCT TTGCGCAT TACGTAATGA
1331 ATTTAATGTC GCGCAAACTG CCGTCCGTAA GCTAAGTCAA ACCCTAGTG CTGACGAGAG AGATGCGTTA
1401 CAAGAGGCA TGCTAAATA AGTGAAGAT TCTCTGAC AGTTGTAGG AACAGTTTC AAAACAACC
1471 AGAGATATCG AGCTCATCTC ATGGTTTGT TCTGCTCAAT TCTTCTGA TACCACATTA GAAAGTGCTG
1541 CGAATAGCCT TGAGTGTTA GCGGATTAA GTGAGAGGA CTGGGATCAC CTCACCCCTG TACTACCACT
1611 TGAAGCGCTC AATCTGATG ATGATAAGGG CAAGAAGGA GAGCAAGCAG ATGCGAAAGT TAAAGCATT
1681 TTCCAACTAG TCGCGATAG CAGGAAAGC TCGATTCTCT ATGCGCGGT GCTGCAACTG CCTTAGTCTG
1751 GGGAGTGAC GTTTTGTGAC TTTCAAAAGT CAGAGAGAAA AGCGAAATC AGCCAAGTGA AATCTATGCT
1821 TACGACCAAG GTGCGGAG AGCGTTTGGC AATCAATC AGATGAGAA AGCGAAAGG TTGTGTCAAC
1891 CAATTAGATC GTTTGTGAGC GTTGTGAGC ACTAAGTGT ATCTCTAGG CAGTCAAGT ACCCAACTCG
1961 GATTTCGAA GTCACTGCTT ACCCGTTTG AAAACGCTT GTTTCATCTA AGTGAATTA AGTTAGCACC
2031 GAAAGCGGAG GCAAGAGAG TAGAGCAAGA GTTTCGCGAA AGTTCAAGTT CTGAAGGGA GCTGCCAAGG
2101 CATATGATA CAACATAT AGAGCAATA CCGATGCGAT CAGAGCAGG CTGACCGTA AGCCAACACT
2171 TACAGCGAGG AAACCTGT GAACTGGTA ATTTAAACA TATGAACGA GACTAGCTT TCCATTGTT
2241 GAGAGAGTC TCTGATTAT TTGCGCAGAG CGAACCGAT AGCCCAATT CATTTTGT AGAAAAAGCG
2311 ATTGATGGG GATATTATC CTTACCTGAG TTGCTGCGAG AATGATGTC GGAACAAAC GGTGACGCTC
2381 TTAGTACGAT TTTAATGCC GCGGATTGA ATCATCTGA TCAAGTTTG CTGCGGAGG TGAATCTCC
2451 AACGGTGGC ATTGAAGGC CCCAACACC TCAAGGAGG CTTTGGTT CCGATCCCG AAGTGTGAA
2521 GAGCATGTAT CTCAGACTTC CCGTGTAGAT ACCCAATCTA AGCAAGATA AAAACACAA TCATCCGCTA
2591 CCGCGCTCT GAGTTGTAA TTGTGTTAA AAAATAAGGA AAAATCATGG CAAGTATTTA CATGCGTGA
2661 AGCGGCTTC AAGTTGAGG CCGAGGACT ATCGTCAGC TAGAAACGGC TGAAGGTAA AATGACGGTT
2731 GOTTTCGAAT CAACTCTTAC TCTTGGGTTG GCGCTGTAA CTTGCTATG GACATGGTA ACCGACCAA
2801 TCGGATTCA GGCATGTTG GCGTAAGGA AGTTAGCTA ACTAAGAGG TCGATGCTG TTCTGAAGAC
2871 CTACTGCTT ATTTATTCAA CCGAGTAAA GACGGTAAA CTGTTGAGT TGCATTACT AAGCCTCTA
2941 ACATGCTCA AGTGCAAGC GTTACTTCC AAGTTAAGT AGAAAAAGCA CTTTATGTT CTTACAAGT
3011 GAGCGGACT GACGATCTC AACGTAAGA GAGCTATCT CTTCTTACA CTTCTATT TCAGAAAGCAT
3081 CACTATGAGA AAGAAGGTGG TGAACACAA AGCGGTGGT TTGTGACTTA CGACTACCG ACCGGGAAAA
3151 TGACTTCTGG TAAGTAAATC TTTCAATAGA CATGCCAGT TAATTGGCAT GTCTATTCA TGAATATCTC
3221 ATTTAGGAC ACCGTTATGG CAITGAATC ACAACATAAG CGCTTAGTA AGAACCGTG CAGCATCAC
3291 CTATGACGT GAAACGAATG GCGCGTAAA GACGAAAGAG CTGCGTTTG TTGTGGCGT CATTGGCGAC
3361 TTTTCAGAC ACAACACAGA ATCAGAAAAA GTTGATTAG AAGAGCGAGA GTTCAAGGT ATCGATAAGG
3431 ACAACTTGA TACAGTGATG GCGCAAAATC ACCCGGCTCT TTGTCAGG GTTGATAACA AGCTTGCTAA
3501 TGATGATAGC CAGTTGAAAG TGAACCTGAG CCGGTTTG ATGAAAGATT TCAACCCAGA GAACCTAGTT
3571 GATNAATAG AGCGCTTAA

Fig 2

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1 MPLSKHQIEQLSKPLSDDSGVYLKLEKSAFRPLRNEFNVAQTALRKLSQNPSADERDALQEACLNKWK
71 ILSDSLYEQFSKTTTRDIELISWFVAAQFLDTTLESAANSLEWLADLSEKHWDHLNPVLPVETLKSDDDK
141 GKEREQADAKVKAFFQLVGDSEESSILYAPVLQLPLVGEVTFDFQSAERKGEISQLKSMLETTTVAQER
211 FAIQFKMENAKRCVTQLDRLSALVSTKCHSLGSQSTNFGFAKSLLTRVENALVHLSGIKLAPKAEAKTVE
281 QEVAESSVSEGELPSHMDTKHIERIPMASEQAQTVSQHLHAGNLSLGNLNNMNRDLAFHLLREVSDYFR
351 QSEPHSPISFLEKAIRWGYLSPELLREMMSEQNGDALSTIFNAAGLNHLDQVLLPEVSTPTVGIESPQ
421 TPQAKPSVSDPRSVEEHVSQTSPPVDTQSKQDQKPQSSATSALSW*

Fig. 3a

1 MASIYMRVSLQVEGAATIGQLETAEGKNDGWFAINSYSWGGARNVAMDIGNGTNADSGMVGVSSEVSVTK
71 EVDGASEDLSYLFNPGKDGTVEVAFTKPSNDGQGADVVFQVKLEKARLVSYNVSGTDGSQPYESLSLS
141 YTSISQKHYY EKEGGELQSGGVVTYDLPTGKMTSGK*

Fig. 3b

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0945705.072504

1 MALNSQHKRVSKNRVSITYDVETNGAVTKELPFVVGIGDFSGHKPESEKVDLEEREFTGIDKDNFDTV
71 MGQIHPRLSYKVDNKLANDDSQFEVNLSLRSMKDFHPENLVDXIEPL

Fig. 3c